

Appln. No. 09/905,717

Amendment Date: January 18, 2005

Reply to Office Action of November 18, 2004

RECEIVED  
CENTRAL FAX CENTER

JAN 18 2005

Amendments to the specification:

Please replace the paragraph beginning after the heading entitled "BACKGROUND OF THE INVENTION" at the top of page 1 as follows:

A filter and processing sequence is described that efficiently combines and performs two or more tasks required to demodulate a composite 3G (third generation) wireless signal formed by a combination of wideband 3.84 MHz (Universal Mobile Telecommunications System, hereinafter referred to as "UMTS" or Universal Mobile Telecommunications System Terrestrial Radio Access, hereinafter referred to as "UTRA") carriers and narrow-band 1.2288 MHz CDMA-2000 carriers. The three tasks, applied to each spectral component of the 3G wireless signal and described in the order of a traditional filtering structure are: Spectral translation, Bandwidth Reduction, and Sample Rate Selection. These tasks are traditionally implemented in three distinct pieces of hardware or software modules.

Please insert the following heading after line 5 on page 5:

**SUMMARY OF THE INVENTION**

- 2 of 7 -